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1 [Variable data printing: Extracting reusable document components for variable data printing](#)

 Steven R. Bagley, David F. Brailsford, James A. Ollis

August 2007 **Proceedings of the 2007 ACM symposium on Document engineering DocEng '07**

Publisher: ACM Press

Full text available:  [pdf\(748.64 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Variable Data Printing (VDP) has brought new flexibility and dynamism to the printed page. Every printed instance of a specific class of document can now have different degrees of customized content within the document template.

This flexibility comes at a cost. If every printed page is potentially different from all others it must be rasterized separately, which is a time-consuming process. Technologies such as PPML (Personalized Print Markup Language) attempt to address this problem ...

Keywords: PDF, SVG, content extraction, graphic objects, posrScript, variable data printing

2 [Invited talk: The Lixto data extraction project: back and forth between theory and practice](#)

 Georg Gottlob, Christoph Koch, Robert Baumgartner, Marcus Herzog, Sergio Flesca
June 2004 **Proceedings of the twenty-third ACM SIGMOD-SIGACT-SIGART symposium on Principles of database systems PODS '04**

Publisher: ACM Press

Full text available:  [pdf\(430.70 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

We present the Lixto project, which is both a research project in database theory and a commercial enterprise that develops Web data extraction (wrapping) and Web service definition software. We discuss the project's main motivations and ideas, in particular the use of a logic-based framework for wrapping. Then we present theoretical results on monadic datalog over trees and on Elog, its close relative which is used as the internal wrapper language in the Lixto system. These results include both ...

3 [Information extraction 1: Integrating data and text mining processes for digital library applications](#)

Robert Sanderson, Paul Watry